

Title (en)

Electronic device with a housing to be fastened to a windscreen of a motor vehicle

Title (de)

Elektronisches Gerät mit einem Gehäuse zur Anbringung an einer Scheibe eines Kraftfahrzeuges

Title (fr)

Dispositif électronique avec un carter pour fixer sur une vitre de véhicule à moteur

Publication

EP 1251048 A3 20021127 (DE)

Application

EP 02008540 A 20020416

Priority

DE 10119219 A 20010420

Abstract (en)

[origin: EP1251048A2] The device has a housing for application to a motor vehicle windscreen via a coupling medium consisting of a flexible rubber or gel-like material. An air outlet channel that communicates with the ambient air is arranged in the area of potential bubble formation between the windscreen and the coupling medium.

IPC 1-7

B60S 1/08; **B60S 1/48**; **B60Q 1/48**; **B60Q 1/52**

IPC 8 full level

B60Q 1/48 (2006.01); **B60Q 1/52** (2006.01); **B60S 1/08** (2006.01); **B60S 1/48** (2006.01)

CPC (source: EP US)

B60S 1/0822 (2013.01 - EP US); **B60S 1/0881** (2013.01 - EP US)

Citation (search report)

- [X] DE 4017063 A1 19911128 - BOSCH GMBH ROBERT [DE]
- [A] US 5262640 A 19931116 - PURVIS MICHAEL B [US], et al
- [A] DE 4101995 A1 19920730 - VDO SCHINDLING [DE]
- [A] EP 0911231 A2 19990428 - VOLKSWAGEN AG [DE]

Cited by

DE102007061103A1; DE102011118121B4; EP1431146A3; DE102011118121A1; WO2009024598A1; WO2009024597A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1251048 A2 20021023; **EP 1251048 A3 20021127**; **EP 1251048 B1 20050706**; DE 10119219 A1 20021024; DE 50203541 D1 20050811; ES 2244692 T3 20051216; US 2002155734 A1 20021024; US 6646359 B2 20031111

DOCDB simple family (application)

EP 02008540 A 20020416; DE 10119219 A 20010420; DE 50203541 T 20020416; ES 02008540 T 20020416; US 12439602 A 20020418